



Fresno to Bakersfield High-Speed Train Project EIR/EIS

Alternatives Analysis Update

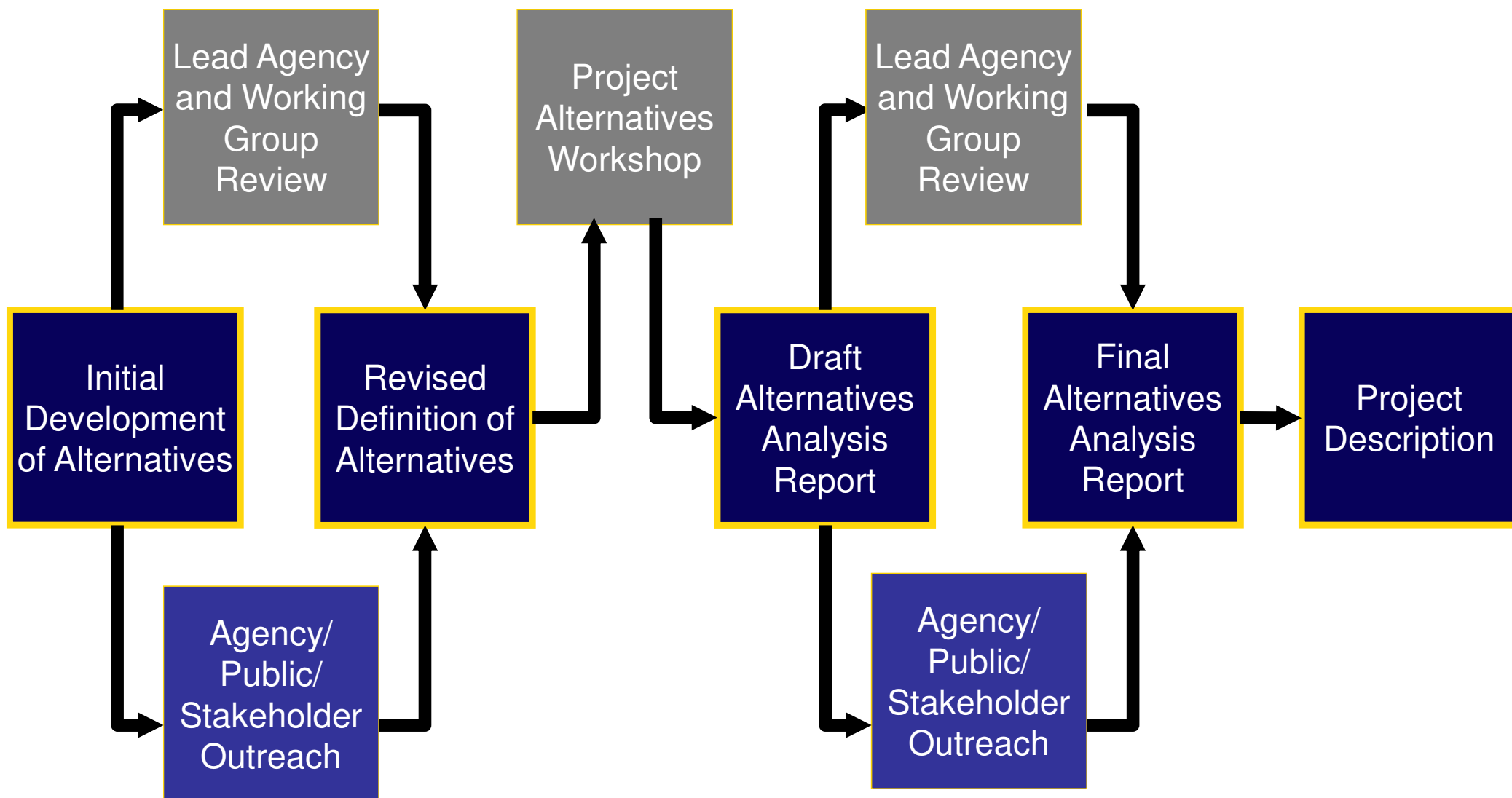
**Federal Railroad Administration
California High-Speed Rail Authority
Workshop Summary**

**Board Briefing
December 3, 2009**





Alternatives Analysis Process





Public Outreach Activities

- Scoping meetings / Report
- Technical Working Groups (TWG)
- Stakeholder meetings
 - Resource agencies
 - Local agencies, City Councils
 - Boards of Supervisors
- Public information meetings
- Fact Sheets
- E-mail alerts
- Media outreach
- CHSRA website updates





Alternatives Evaluation

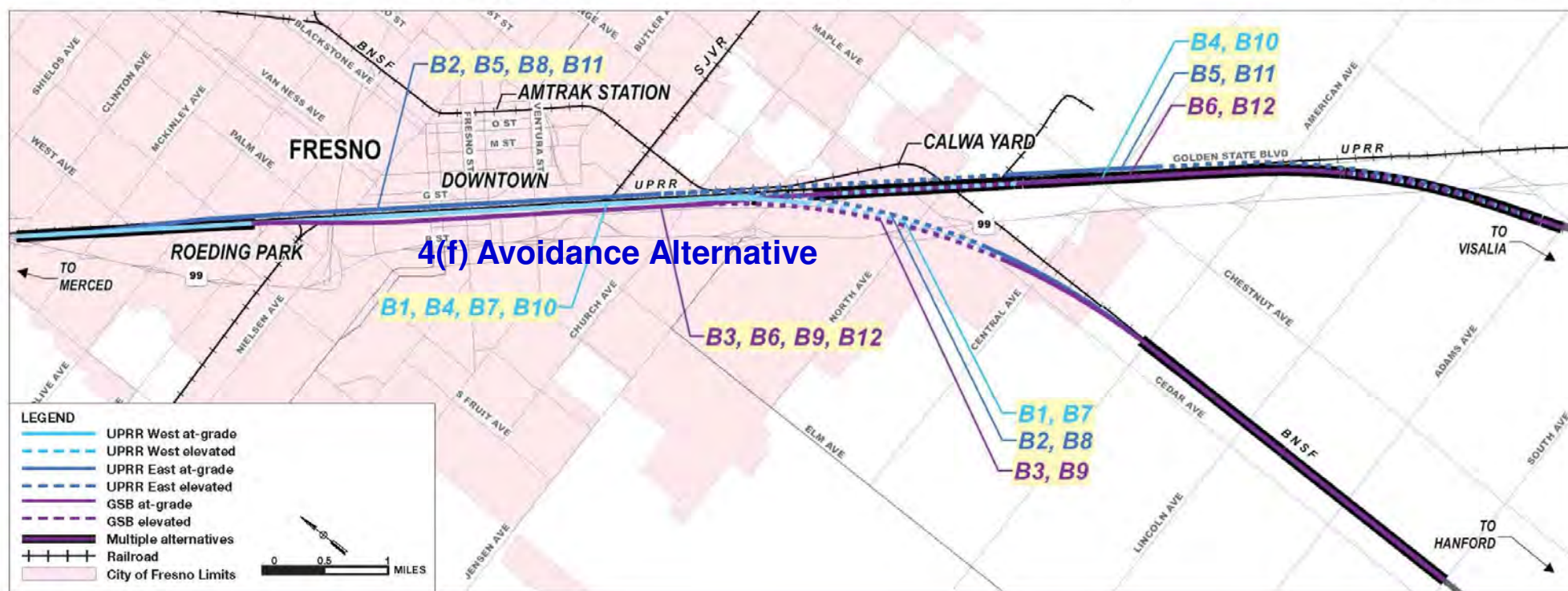
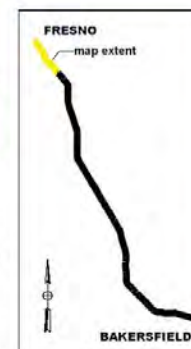
- Design Objectives
 - Maximize ridership/revenue potential
 - Maximize connectivity and accessibility
 - Minimize operating and capital costs
- Comparison Measures
 - Natural Environment and Resources
 - Community Impacts and Support
 - Land Use
 - Construction Feasibility



ALTERNATIVES CONSIDERED – OCTOBER 2009

Shaded Alternatives Not Carried Forward

<i>ed Alternatives Not Carried Forward</i>		<u>UPRR WEST</u>	<u>UPRR EAST</u>	<u>GOLDEN STATE BOULEVARD</u>
<u>ELEVATED STATION</u>	BNSF south of Fresno	B1	B2	B3
	UPRR south of Fresno	B4	B5	B6
<u>AT-GRADE STATION</u>	BNSF south of Fresno	B7	B8	B9
	UPRR south of Fresno	B10	B11	B12



**Fresno to Bakersfield
Alternatives Analysis Workshop
October 13, 2009**

FRESNO SUBSECTION



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ALTERNATIVES CONSIDERED – OCTOBER 2009

Primary Alternatives

BNSF Corridor and Hanford East

- C1 - Shared Right-of-way
- C2 - Separate side alignment
- C3 - East side alignment

Visalia Corridor

- C4 - Shared Right-of-way
- C5 - Separate side alignment
- C6 - East side alignment

Local Options

Fowler, Selma, Kingsburg

- CBPA - Wide bypass
- CBPB - Near bypass

Visalia Options

- CVSA - 198 East
- CVSB - 99 Center
- CVSC - 99 North

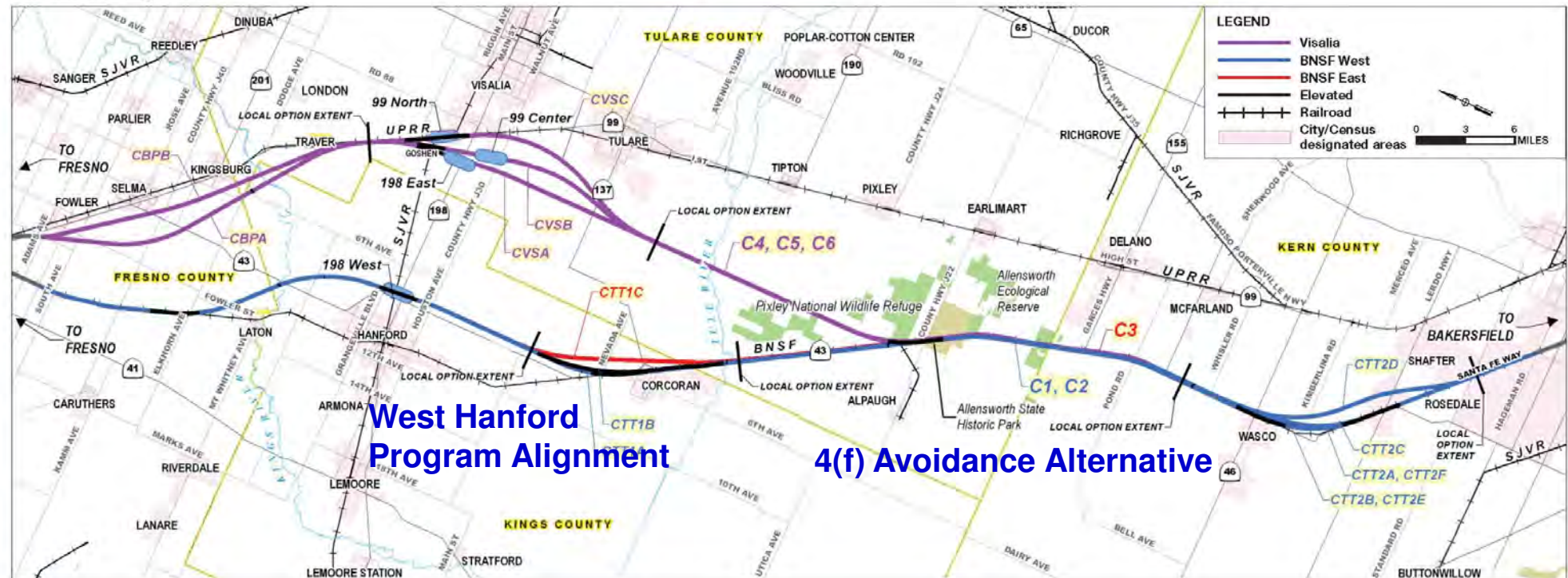
Corcoran

- CTT1A/1B - Through Corcoran
- CTT1C - Corcoran Bypass

Wasco and Shafter

- CTT2A - Through Wasco and Shafter, at grade
- CTT2B - Through Wasco and Shafter, elevated
- CTT2C - Wasco Bypass, Through Shafter
- CTT2D - Wasco and Shafter Bypass
- CTT2E - Through Wasco elevated, Shafter at-grade
- CTT2F - Through Wasco at-grade, Shafter elevated

Shaded Alternatives Not Carried Forward



Fresno to Bakersfield
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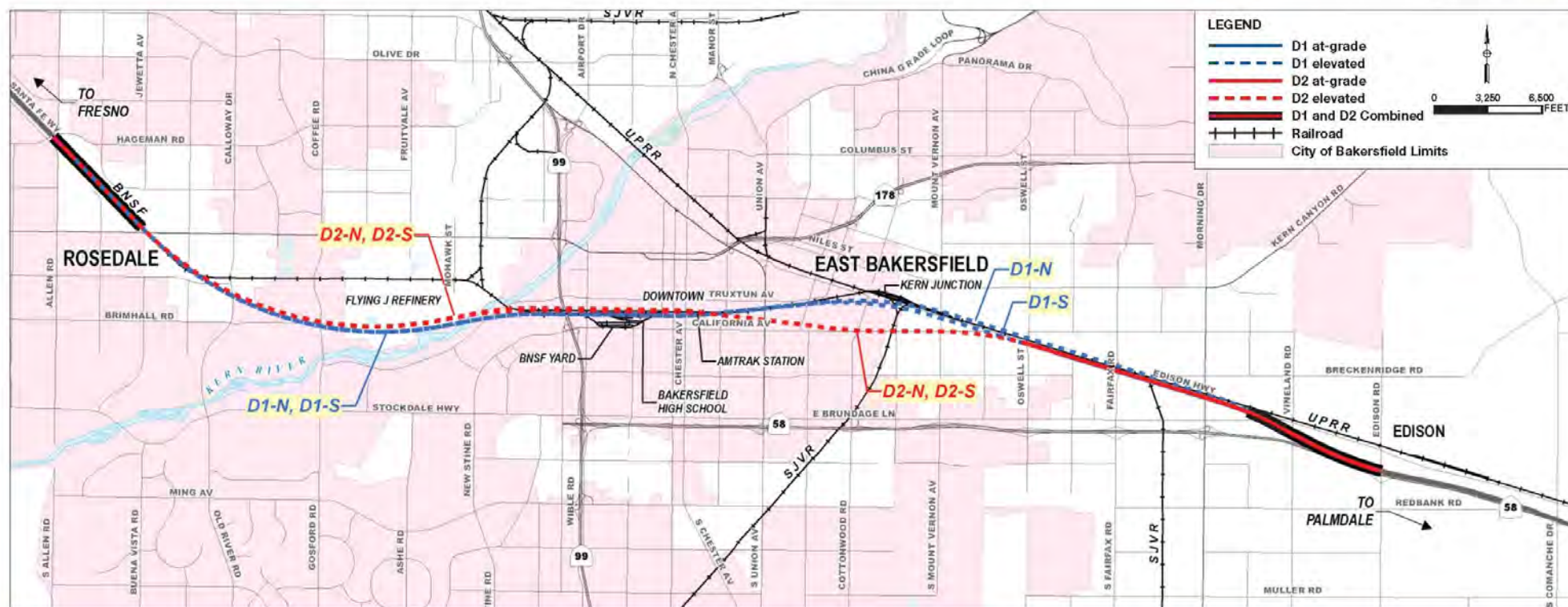
RURAL SUBSECTION



ALTERNATIVES CONSIDERED – OCTOBER 2009

	D1		D2	
West Bakersfield	South of Flying J Refinery			
Central Bakersfield	South of BNSF		N - North of BNSF	S - Over BNSF
East Bakersfield	N - North of UPRR	S - South of UPRR	South of UPRR	

Shaded Alternatives Not Carried Forward



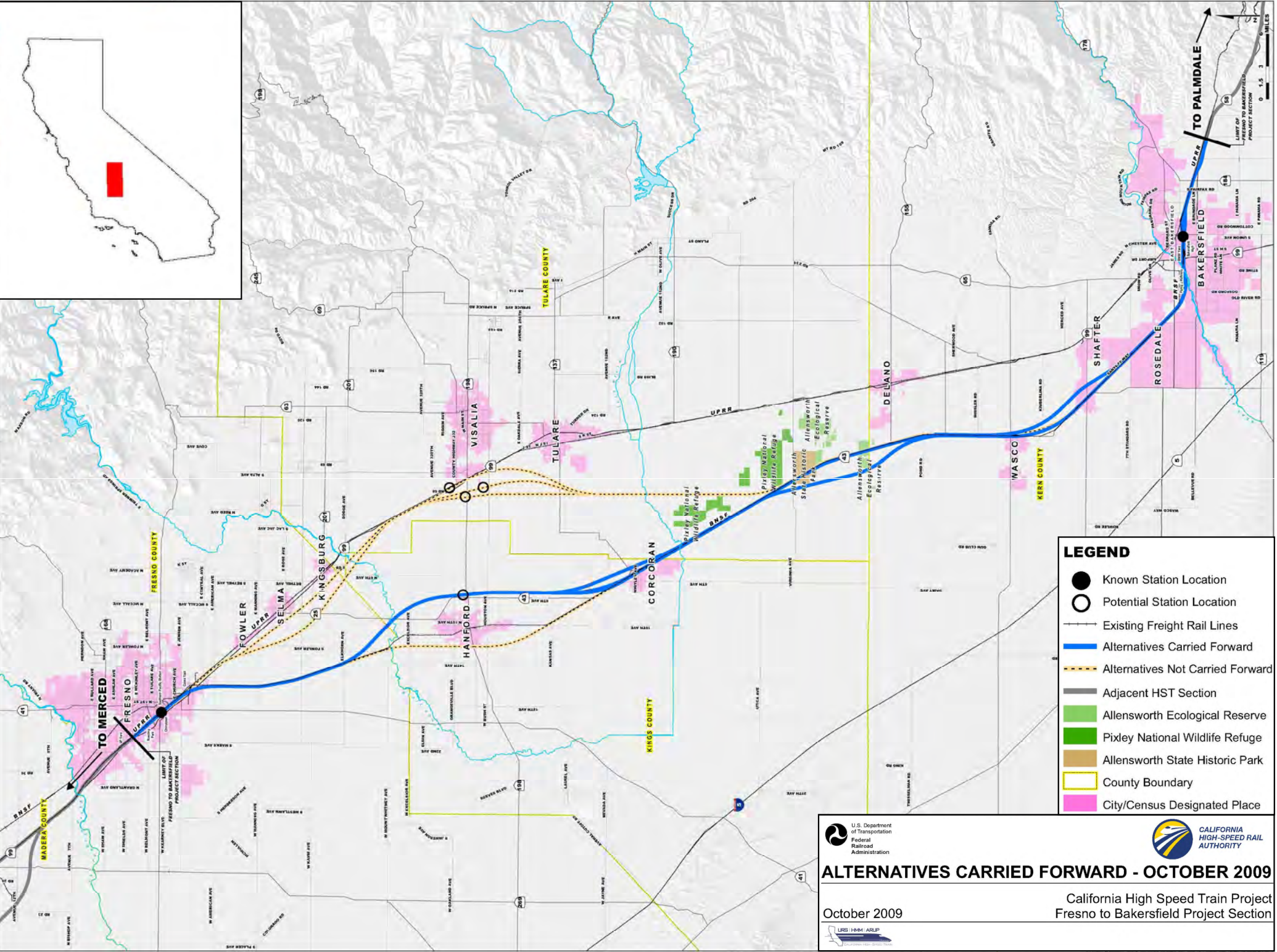
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BAKERSFIELD SUBSECTION




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LEGEND

- Known Station Location
- Potential Station Location
- Existing Freight Rail Lines
- Alternatives Carried Forward
- - - Alternatives Not Carried Forward
- Adjacent HST Section
- Allensworth Ecological Reserve
- Pixley National Wildlife Refuge
- Allensworth State Historic Park
- County Boundary
- City/Census Designated Place



ALTERNATIVES CARRIED FORWARD - OCTOBER 2009

October 2009

LRB 10-01 ARUP

California High Speed Train Project
Fresno to Bakersfield Project Section